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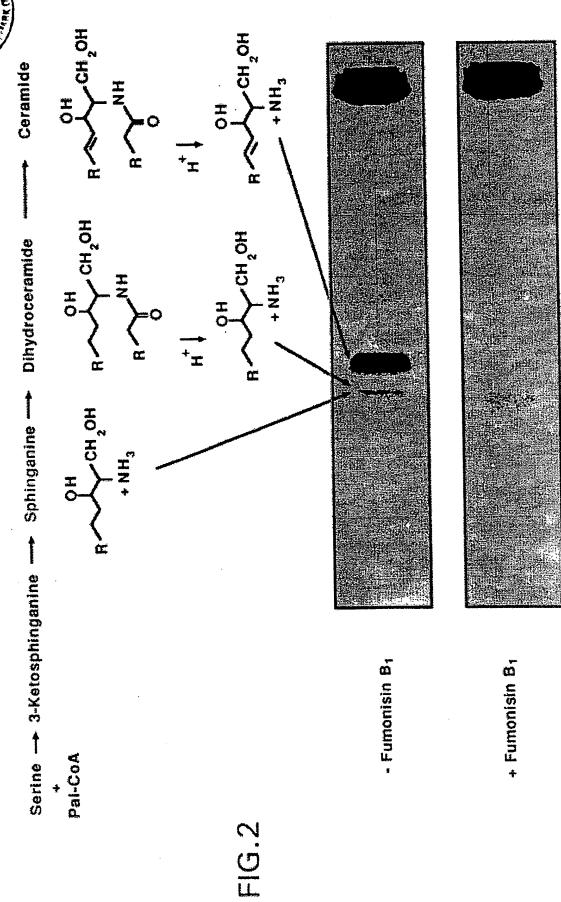
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FIG.1





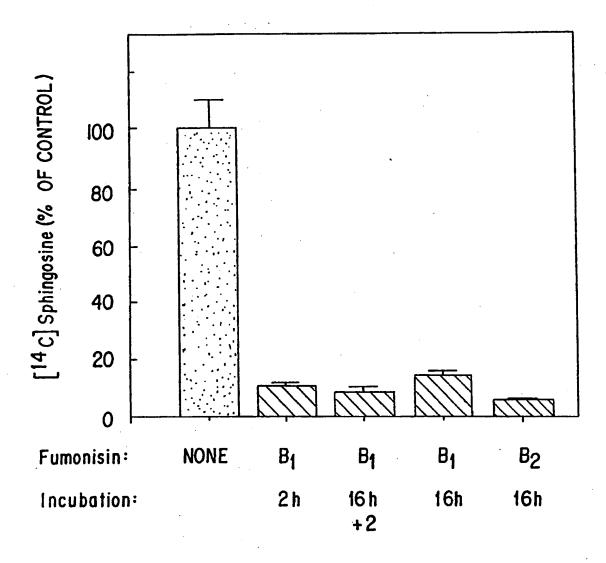


FIG. 3a



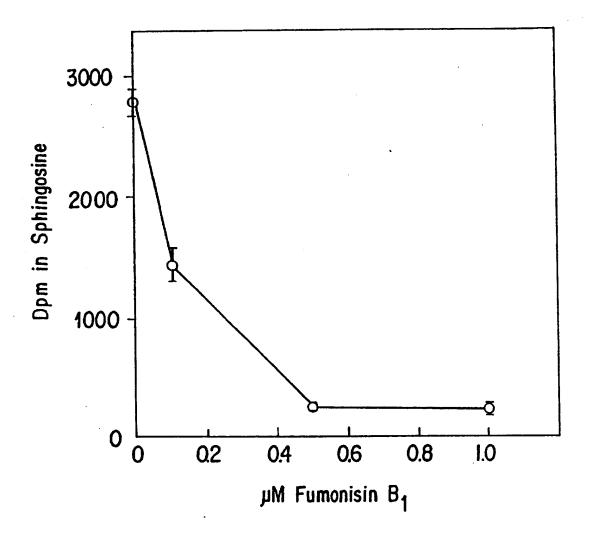


FIG. 3b



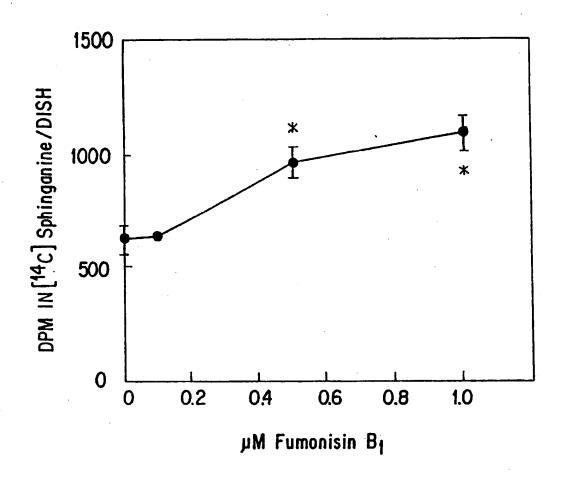


FIG. 4a



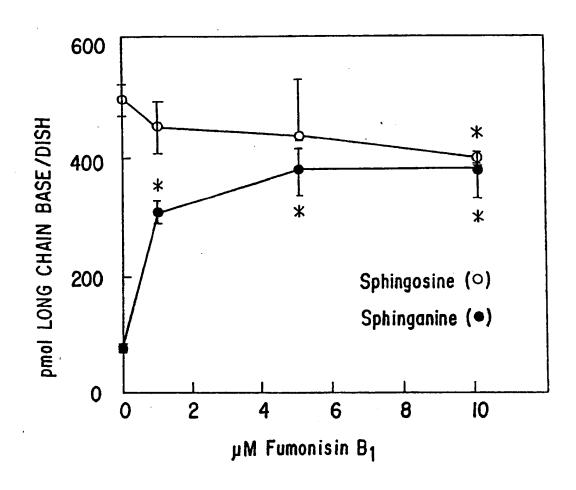
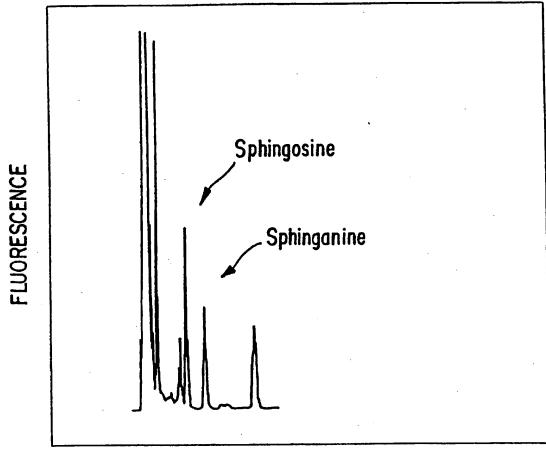


FIG. 4b





RETENTION TIME

FIG. 4c



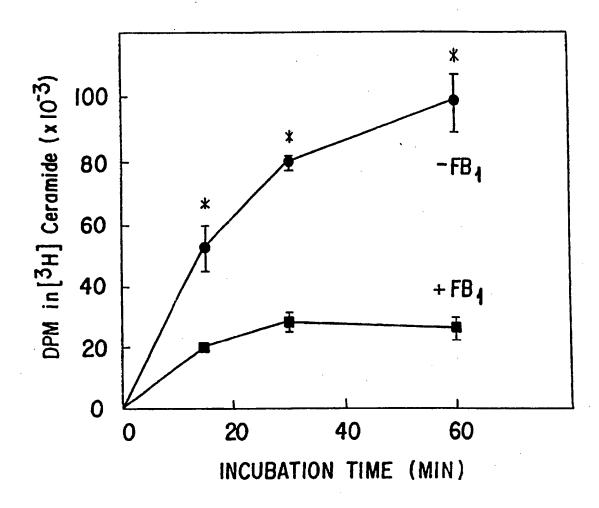


FIG. 4d



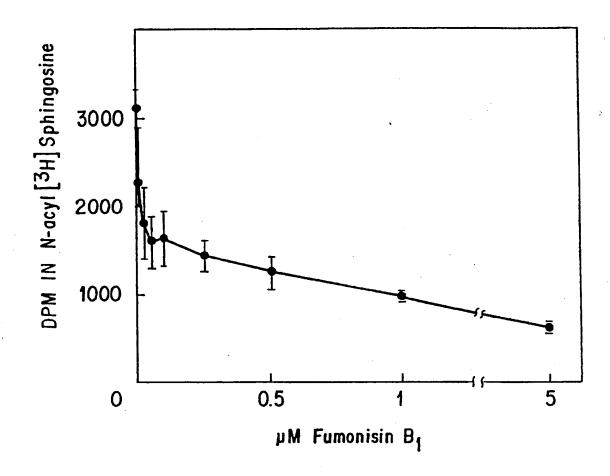


FIG. 5



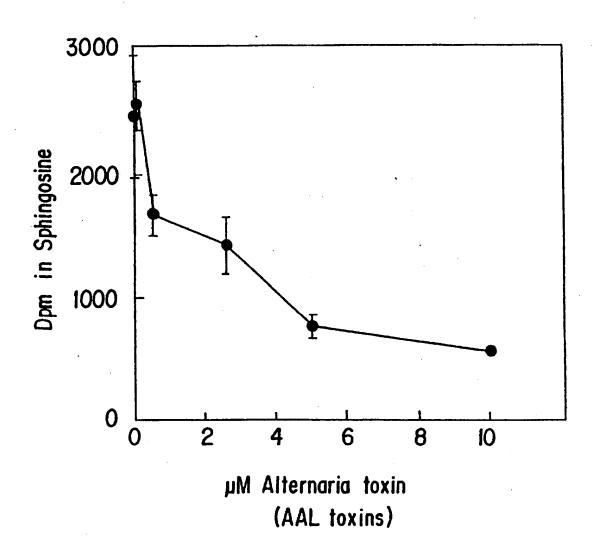
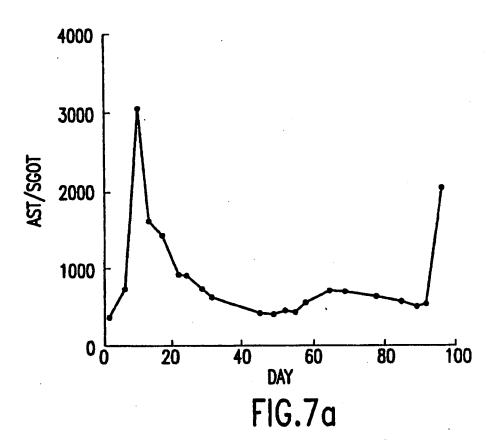
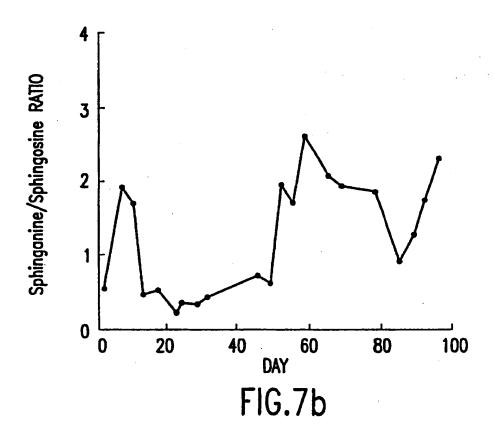


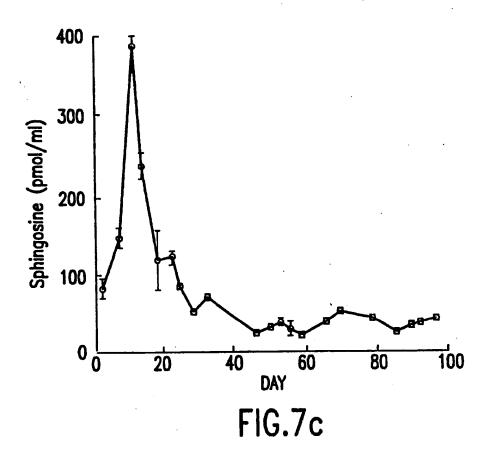
FIG. 6

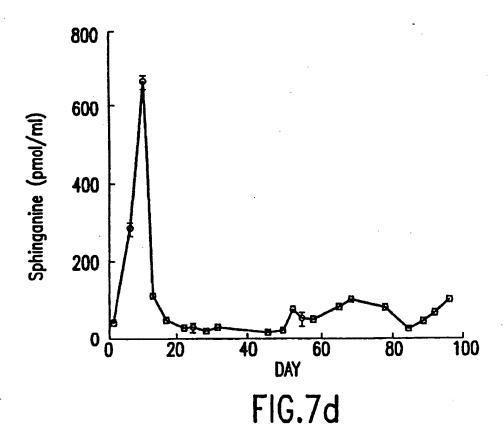


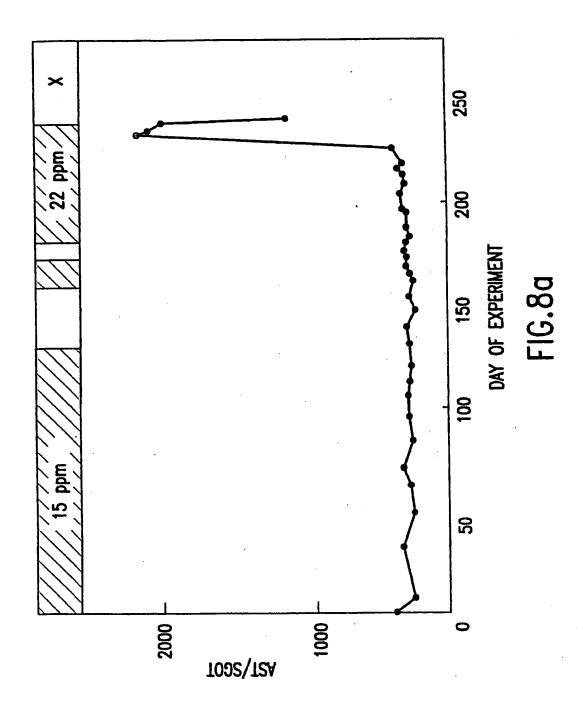


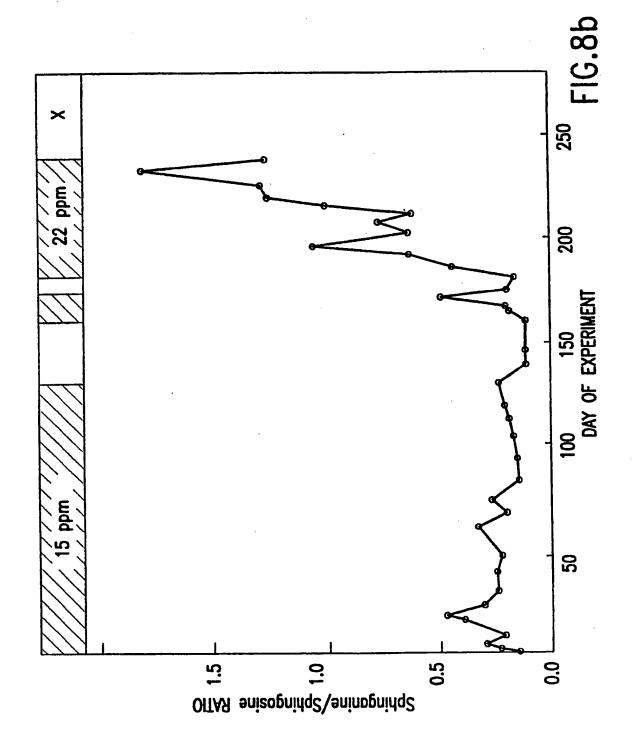




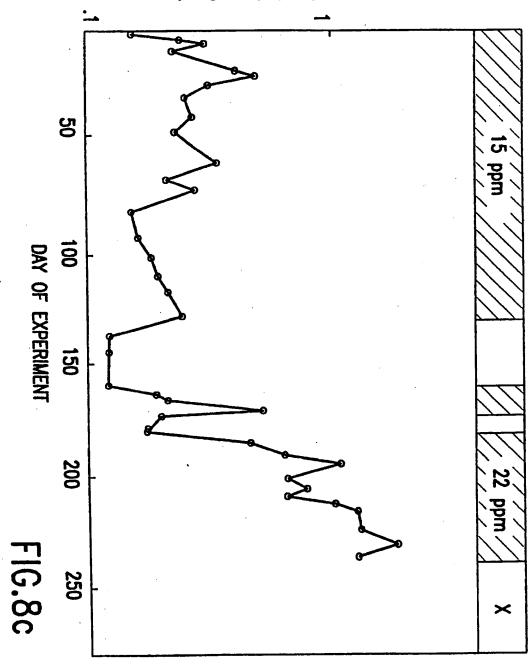
















a. CH<sub>2</sub>N<sub>2</sub>; b. DIBAL; C. LiCCR; d; Peracid; e. NaBH<sub>3</sub>CN; f. H<sup>+</sup>
R= alkyl (straight chain or branched, C<sub>8</sub>-C<sub>20</sub>), hydroxy alkyl, amino alkyl, alkylcarboxy (same definition of alkyl), aryl, esters of the hydroxyalkyl and alkylcarboxy groups, amides of the aminoalkyl and alkylcarboxy groups.



R= alkyl (straight chain or branched, C<sub>8</sub>-C<sub>20</sub>), hydroxy alkyl, amino alkyl, alkylcarboxy (same definition of alkyl), aryl, esters of hydroxyalkyl and alkylcarboxy groups, amides of the aminoalkyl and alkylcarboxy groups.

R'= H, CH3, C2H5, CH2O-Protecting Group (\*) Epoxide opening and removal of the BOC group may be more efficiently achieved using two discrete hydrolysis steps

FIG. 1 1